



Product Information

Ranitidine

Cat. No.: X23-12-YM1097

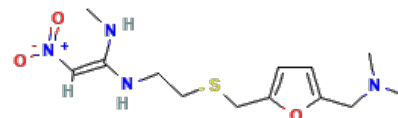
Size: 100 mg; 200 mg; 500 mg; 1 g

CAS Number: 66357-35-5

Compound CID: 3001055

Synonym: 66357-35-5; Ranitidine Base; Ranitidine hydrochloride; Coralen; Gastrial;

Quantor; Raticina



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Ranitidine inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins.
Molecular Weight	314.4
Molecular Formula	C ₁₃ H ₂₂ N ₄ O ₃ S
IUPAC Name	(E)-1-N '-[2-[[5-[(Dimethylamino)methyl]furan-2-yl]methylsulfanyl]ethyl]-1-N-methyl-2-nitroethene-1,1-diamine
InChI	InChI=1S/C13H22N4O3S/c1-14-13(9-17(18)19)15-6-7-21-10-12-5-4-11(20-12)8-16(2)3/h4-5,9,14-15H,6-8,10H2,1-3H3/b13-9+
InChI Key	VMXUWOKSQNHOCA-UKTHLTGXSA-N
Canonical SMILES	CNC(=C[N+](=O)[O-])NCCSCC1=CC=C(O1)CN(C)C
Isomeric SMILES	CN/C(=C\[N+](=O)[O-])/NCCSCC1=CC=C(O1)CN(C)C
Form	Lyophilized powder
Purity	>98%
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Ranitidine can be studied for its effect on reducing the production of stomach acid, which helps to alleviate pain and promote healing of the ulcerated tissue.
Storage	Store at -20°C, and keep desiccated.